

Application No. 10/556,457

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Patent claims

- 5 1. Fine tuning device for transferring and/or tipping an object, wherein a carrier element is provided that can be rotated around a rotational axis guided by a guide element, whereby tipping between the carrier element and the guide element is achieved by defining a guide plane that describes an angle other than 90° around the rotational axis and/or sliding of the object is achieved by means of 10 an offset that is attached to the carrier element lateral to the rotational axis.
2. Fine tuning device according to claim 1, wherein the guide element is guided by a further guide element around the rotational axis or a further rotational axis.
3. Fine tuning device according to one of claims 1 or 2, wherein the fine 15 tuning device can be integrated as an element into a further fine tuning device.
4. Fine tuning device according to claim 3, wherein the further fine tuning device comprises a fine tuning device according to one of claims 1 or 2.
5. Fine tuning device according to one of claims 1 to 4, wherein the carrier 20 element and/or the guide element and/or the further guide element are round in cross-section.
6. Fine tuning device according to one of claims 1 to 5, wherein the guide element exhibits a recess within which the guide element can be rotated.
7. Fine tuning device according to one of claims 1 to 6, wherein the further guide element exhibits a recess within which the guide element can be rotated.
- 25 8. Fine tuning device according to one of claims 6 or 7, wherein the recess is eccentric.

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9. Fine tuning device according to one of claims 1 to 8, wherein a control lever may be inserted into the carrier element and/or the guide element and/or the further guide element
10. Fine tuning device according to one of claims 1 to 9, wherein the guide element and/or the further guide element can be slid in the direction of the rotational axis and/or the further rotational axis.
11. Fine tuning device according to claim 10, wherein the guide element and/or the further guide element exhibit a screw thread.
12. Fine tuning device according to one of claims 1 to 11, wherein elements that touch each other directly are made of different materials.
13. Fine tuning device according to one of claims 1 to 12, wherein the object is an optical component, in particular an objective.
14. Microscope with a fine tuning device according to one of claims 1 to 13.
15. Microscope according to claim 14, wherein the microscope is a scanning microscope, a confocal scanning microscope, a 4 pi microscope, or a theta microscope.